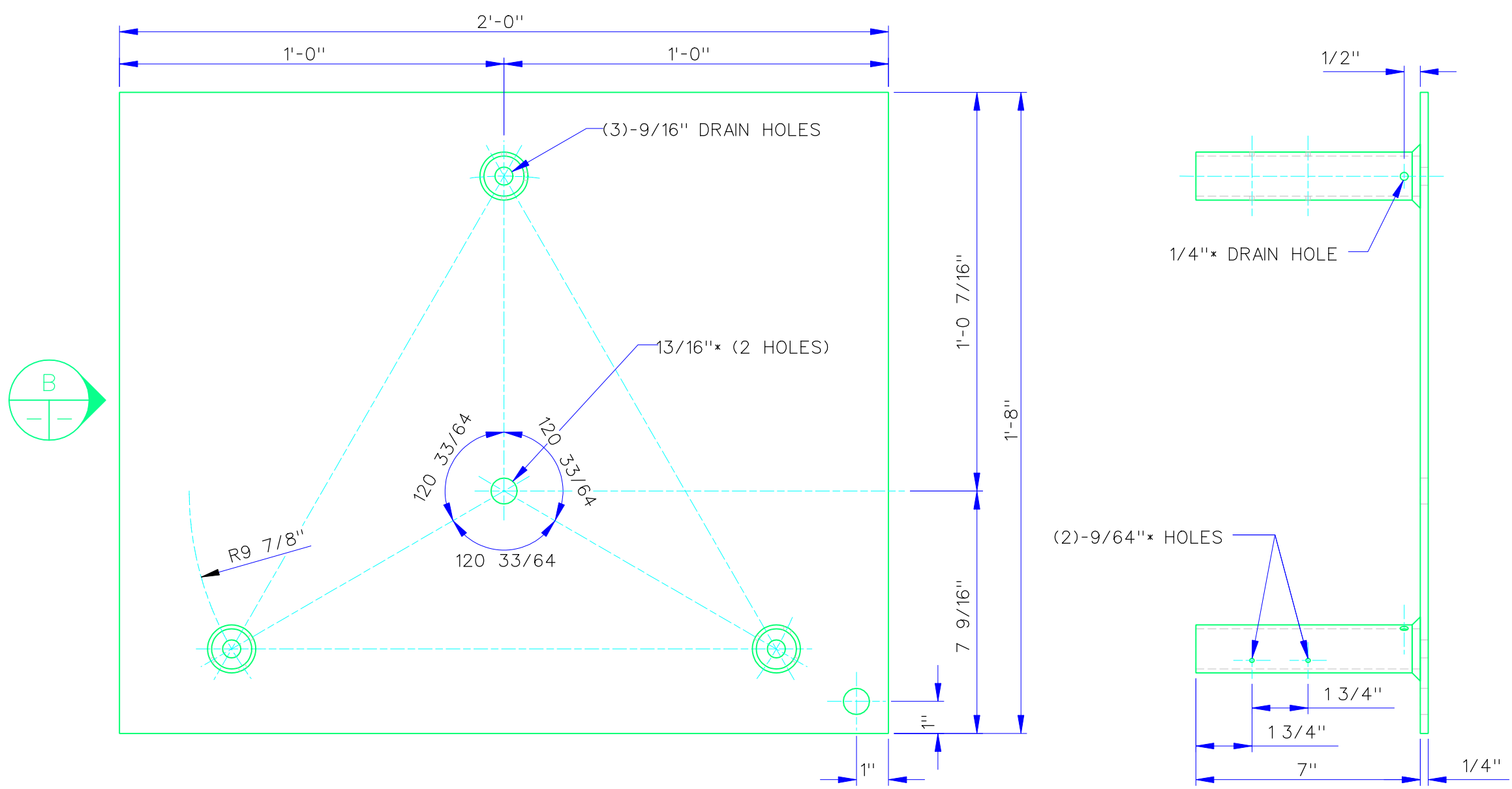
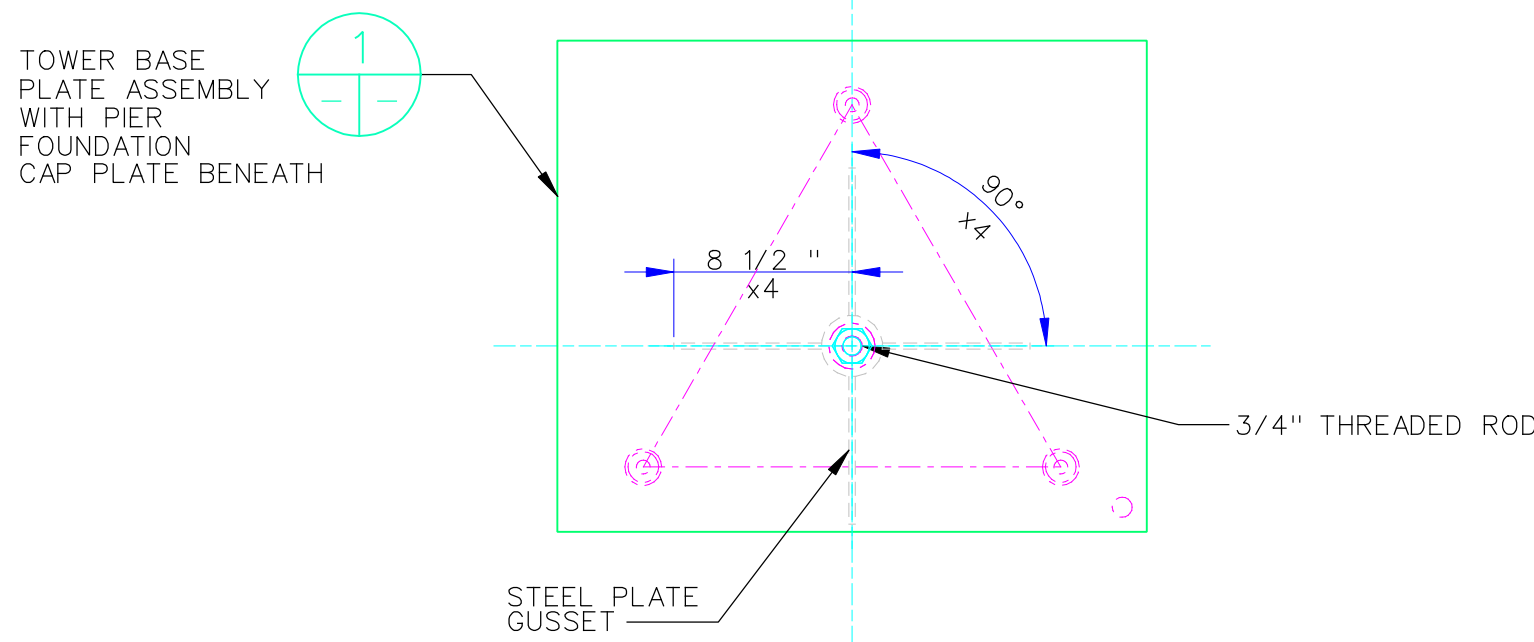


NOTE:  
1. FOR USE WITH GUYED AND BRACKETED TOWERS ONLY.  
2. AFTER GALVANIZING, CHECK DRAIN HOLES TO ENSURE THAT THEY ARE NOT PLUGGED.

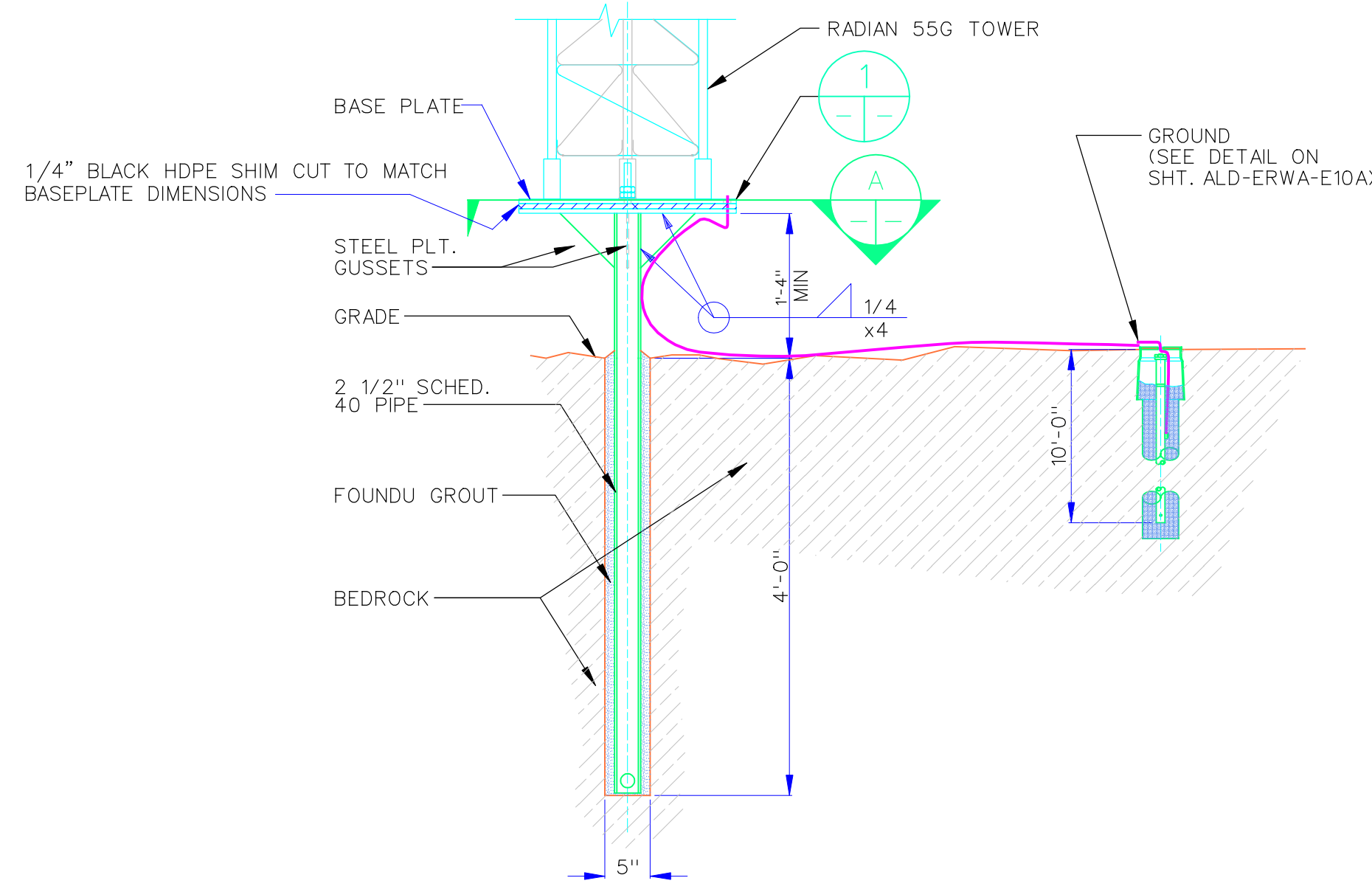


1 TOWER BASE PLATE DETAIL  
SCALE: 3"=1'-0"

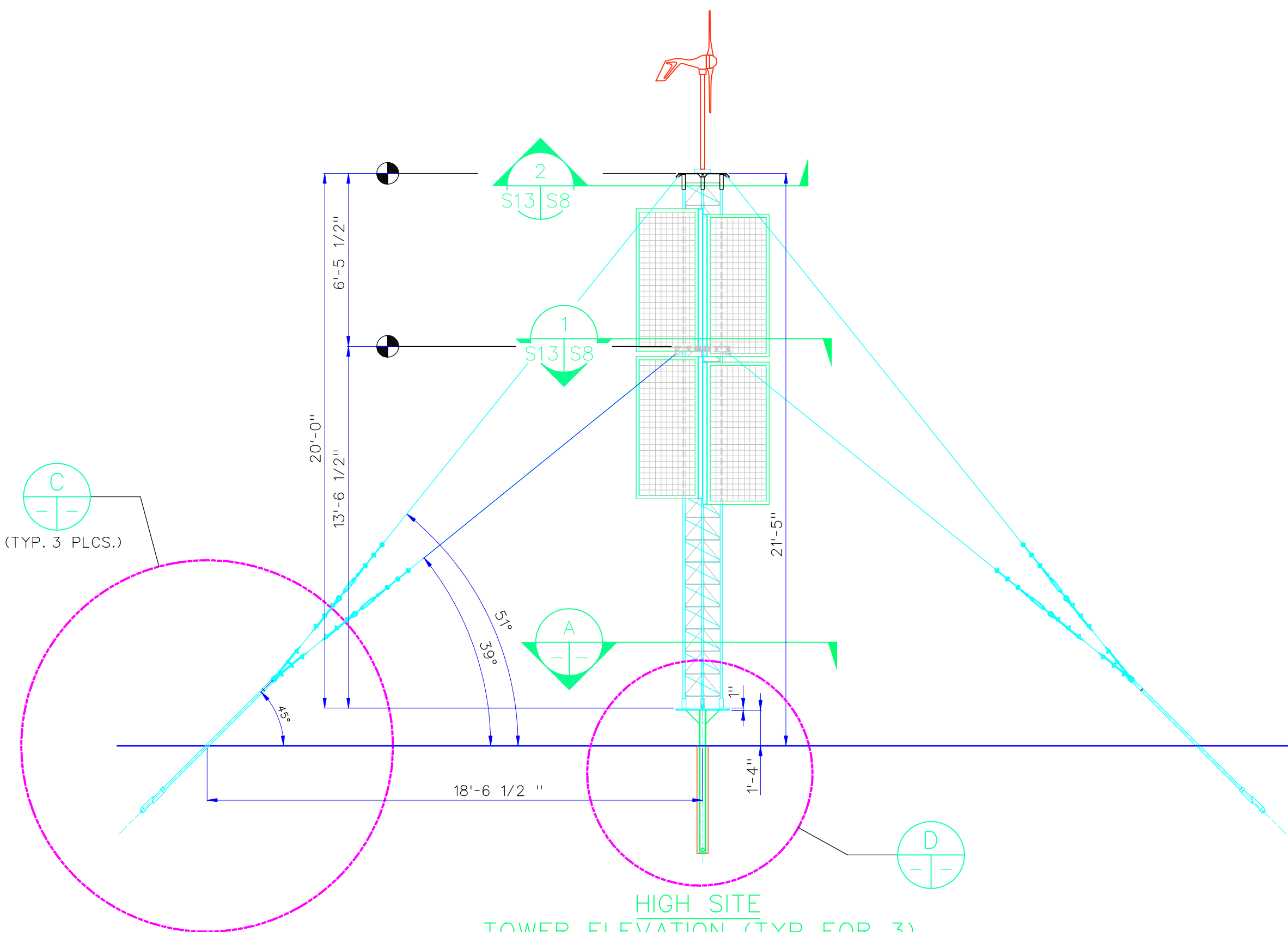
B VIEW  
SCALE: 3"=1'-0"



A SECTION  
SCALE: 1 1/2"=1'-0"



D ELEVATION  
SCALE: 3/4"=1'-0" (DRILLED PIER)



C HIGH SITE TOWER ELEVATION (TYP. FOR 3)  
SCALE: 1"=1'-0"

#### STANDARD FOUNDATION NOTES:

1. FOUNDATION DESIGNS ARE IN ACCORDANCE WITH ANSI/EIA-222-E, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES," SECTION 7, FOR "NORMAL" SOIL CONDITIONS. "NORMAL" SOIL IS DEFINED AS DRY, COHESIVE SOIL WITH AN ALLOWABLE NET VERTICAL BEARING CAPACITY OF 4000 PSF AND AN ALLOWABLE NET HORIZONTAL PRESSURE OF 400 PSF PER LINEAL FOOT OF DEPTH TO A MAXIMUM OF 4000 PSF.
2. ANCHOR BOLTS SHALL MEET OR EXCEED THE REQUIREMENTS OF ASTM A354 GRADE BC AND SHALL BE FINGER TIGHTENED AND THEN BACKED OFF TO CREATE A 1/4" VOID BETWEEN BOTTOM OF NUT AND TOP OF BASEPLATE.
3. FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEDGEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
4. FOUNDU GROUT TO BE BATCHED AND PLACED PER MANUFACTURER'S PROCEDURE.
5. INSTALL MECHANICAL ROCK ANCHORS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6. FOUNDATION AND ANCHORS DESIGN SUBJECT TO CHANGE BASED ON SITE CONDITIONS.

#### FOUNDATION AND ANCHOR TOLERANCES ALL FOUNDATIONS:

1. DEPTH OF FOUNDATION - PLUS 3" OR MINUS 0".
2. FOUNDATIONS OUT OF PLUMB - 1.0 DEGREE.
3. VERTICAL EMBEDMENTS OUT OF PLUMB - 1/2 DEGREE.

#### ANCHOR BOLTS:

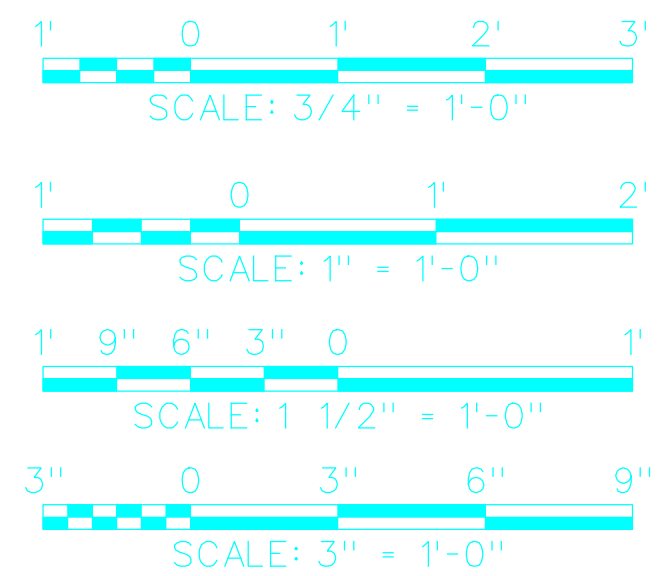
1. MAXIMUM DISTANCE FROM CENTERLINE OF ANCHOR BOLTS TO CENTERLINE OF FOUNDATION - 1/4" MAX.

#### GUYED TOWERS:

1. GUY RADIUS - PLUS OR MINUS 5 PERCENT OF DISTANCE SPECIFIED.
2. ANCHOR ROD SLOPE - PLUS OR MINUS 1.0 DEGREE.
3. ANCHOR ROD ALIGNMENT WITH GUY RADIUS PLUS OR MINUS 1.0 DEGREE.
4. GUY INITIAL TENSION - PLUS OR MINUS 10 PERCENT OF TENSION SPECIFIED, 600\* FOR UPPER GUYS AND 400\* FOR LOWER GUYS.
5. WIRE ROPE THIMBLES REQ'D AT EARTH ANCHORS, TURNBUCKLES AND TOWER GUY BRACKETS.
6. TORQUE CROSBY CLAMPS TO MANUFACTURER'S RECOMMENDATIONS.

#### WARNING:

AFTER ANCHOR BOLTS ARE INSTALLED AND CONCRETE HAS TAKEN ITS INITIAL SET, ANCHOR BOLTS MUST NOT BE MOVED, MOVED, BENT OR REALIGNED IN ANY MANNER.



#### FOR OFFICIAL USE ONLY

A		ESTABLISH SSO					
REV	APPROVED DATE	DESCRIPTION		JCN	REDLINE DATE	APVD	
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION							
SSO RODS INSTALLATION TOWER FOUNDATION DETAILS							
VARIOUS		SUBMITTED BY		APPROVED BY		ALASKA	
REVIEWED BY		R.J.VASSAR		STEVE HOUSER, MANAGER			
		PROJECT ENGINEER		COMMUNICATIONS ENGINEERING CENTER			
DESIGNED		ISSUED BY		DATE		JCN	
DRAWN				DRAWING NO		REV	
CHECKED				ALD-XXXA-S13		A	

SHEET NO  
S-13